

# Mattia D'Urso

info@mattiadurso.it

github.com/mattiadurso  
Main languages: Python, R

Interests: Deep Learning, Computer Vision,  
Data Science.

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## Education

- Oct 2020 - **Master of Science in Artificial Intelligence and Cybersecurity**,  
Oct 2022 *major in Artificial Intelligence*, University of Studies of Udine (Italy) and  
Alpen-Adria-Universität Klagenfurt (Austria).  
**GPA:** 28.0/30
- **Relevant courses:** Foundation of Neural Networks, Deep Learning, Advanced Data Science.
- Oct 2017 - **Bachelor of Science (Hons) in Internet of Things, Big Data and Web**,  
Oct 2020 University of Studies of Udine (Italy).

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## Experiences

- Mar 2021 – **Computer Vision Engineer Intern**, Research at Artificial Vision and Real-Time  
Current Systems (AViReS) Lab, under supervision of Prof. Gian Luca Foresti (president of the Italian Association for Research in Computer Vision, Pattern recognition and Machine Learning) and in collaboration with the European Defence Agency (EDA), the European Union, the Italian Ministry for the University and Research (MIUR), the Italian Ministry for Defence (MoD).
- Jul 2020 – **Deep Learning Engineer Intern**, Research at Department of Mathematics, Computer  
Sep 2020 Science and Physics of University of Studies of Udine, under supervision of Prof. Claudio Piciarelli.
- **Optimized** our supervised deep learning model with **Pytorch** for de-anonimization of web users on a dataset of 6M+ of TCP/IP packets and 150+ users.
  - **Increased** the accuracy of the model by **42%** by hyperparameters fine tuning.
  - **Developed** Bachelor thesis: "*Classification of web users by shallow inspection of packets and Deep Learning techniques*".

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## Skills

- **Languages:** Python, R, L<sup>A</sup>T<sub>E</sub>X.
- **Libraries:** Pytorch, NumPy, dplyr, tidyverse, ggplot2.

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## Leadership and Awards

- Jan 2018 - **Professional photographer**, at Davide Monti Studio (associated with ANFM). I have  
Today worked in many events such as weddings and corporate events alone and as a team.
- Oct 2020 - **Master of Science program**, selected as one of 30 participants worldwide for the Double  
Oct 2022 Degree Master program in *Artificial Intelligence and Cybersecurity*.
- Oct 2018 - **Student representative**, reported to the Board of department and solved dozens of  
Jun 2021 students problems of any kind.